

Lampiran 5 Rekapitulasi Hasil Respon Struktur Maksimum

Simp. Relatif Maks. Struktur 15 Tk. akibat Gempa EL Centro Rendah

Tingkat	Fleksibel		Jepit	
	Open Frame	Bracing X	Open Frame	Bracing X
0	0.000279415	0.000377458	3.69783E-21	4.46511E-21
1	0.001804844	0.00172347	0.002363189	0.002030557
2	0.003567988	0.003412388	0.004691016	0.003998756
3	0.005265988	0.005045594	0.006953915	0.005886286
4	0.006880879	0.006617772	0.0091207	0.007676236
5	0.008399152	0.008103062	0.01116029	0.009352526
6	0.010171667	0.009810344	0.013527522	0.011257846
7	0.011801098	0.011416893	0.015669124	0.012987683
8	0.013281633	0.012903756	0.017559658	0.014524685
9	0.014629093	0.014274372	0.019182695	0.015856164
10	0.015856308	0.015541228	0.020529674	0.016974781
11	0.017665106	0.017193885	0.022292382	0.018301359
12	0.019226747	0.018599945	0.02366399	0.019337875
13	0.02044168	0.019720355	0.024656035	0.020097848
14	0.021283882	0.020500562	0.025317145	0.020595337
15	0.02171693	0.020899879	0.025654419	0.020843675

Simp. Relatif Maks. Struktur 15 Tk. akibat Gempa EL Centro Menengah

Tingkat	Fleksibel		Jepit	
	Open Frame	Bracing X	Open Frame	Bracing X
0	0.000354733	0.00032257	2.97122E-21	3.58369E-21
1	0.002275528	0.00151205	0.001828616	0.001635028
2	0.004532299	0.002996558	0.003585471	0.00322411
3	0.006746811	0.004437176	0.005251969	0.004740161
4	0.008895144	0.005818917	0.006810516	0.00616098
5	0.010971972	0.007122431	0.008256627	0.007462889
6	0.013456205	0.008607603	0.009939633	0.00891384
7	0.015817764	0.009949231	0.011504599	0.010450442
8	0.018028005	0.011145642	0.012960234	0.011907113
9	0.020064367	0.012187334	0.014324411	0.013218586
10	0.021907307	0.013047101	0.015597446	0.014413635
11	0.024521794	0.014071096	0.017519969	0.015917638
12	0.026720307	0.014856353	0.019223076	0.017152075
13	0.028448994	0.015476439	0.020602804	0.018097011
14	0.029649517	0.015935662	0.021580573	0.018736498
15	0.030268017	0.016181138	0.022090762	0.019062529

Simp. Relatif Maks. Struktur 15 Tk. akibat Gempa Manjil

Tingkat	Fleksibel		Jepit	
	Open Frame	Bracing X	Open Frame	Bracing X
0	5.90378E-05	7.60679E-05	7.68263E-22	8.09561E-22
1	0.000347457	0.00033122	0.000425664	0.00035983
2	0.000653148	0.000632495	0.000833623	0.000706958
3	0.00091423	0.00092455	0.001219611	0.001009566
4	0.001133248	0.001214311	0.00157376	0.001317535
5	0.001299201	0.001484401	0.00190727	0.001606633
6	0.001557444	0.001798923	0.002316378	0.001915096
7	0.001840048	0.00215694	0.002753794	0.00218589
8	0.00213541	0.002510617	0.003187999	0.002408725
9	0.002513425	0.002836656	0.00355694	0.002579909
10	0.002869552	0.003115444	0.003848758	0.002742521
11	0.003381654	0.003441709	0.004188715	0.002996958
12	0.003817264	0.003670783	0.004428209	0.003211993
13	0.004180416	0.00382562	0.004754811	0.003390497
14	0.004472023	0.003942491	0.00505736	0.003519321
15	0.004639277	0.004027764	0.005216511	0.003586689

Simp. Rotasi Maks. Struktur 15 Tk. akibat Gempa EL Centro Rendah

Tingkat	Fleksibel		Jepit	
	Open Frame	Bracing X	Open Frame	Bracing X
1	0.000537621	0.000735006	6.61262E-20	7.56892E-20
2	0.001075242	0.001470011	1.32252E-19	1.51378E-19
3	0.001612864	0.002205017	1.98379E-19	2.27067E-19
4	0.002150485	0.002940022	2.64505E-19	3.02757E-19
5	0.002688106	0.003675028	3.30631E-19	3.78446E-19
6	0.003225727	0.004410033	3.96757E-19	4.54135E-19
7	0.003763348	0.005145039	4.62883E-19	5.29824E-19
8	0.004300969	0.005880045	5.29009E-19	6.05513E-19
9	0.004838591	0.00661505	5.95136E-19	6.81202E-19
10	0.005376212	0.007350056	6.61262E-19	7.56892E-19
11	0.005913833	0.008085061	7.27388E-19	8.32581E-19
12	0.006451454	0.008820067	7.93514E-19	9.0827E-19
13	0.006989075	0.009555073	8.5964E-19	9.83959E-19
14	0.007526696	0.010290078	9.25767E-19	1.05965E-18
15	0.008064318	0.011025084	9.91893E-19	1.13534E-18

Simp. Rotasi Maks. Struktur 15 Tk. akibat Gempa EL Centro Menengah

Tingkat	Fleksibel		Jepit	
	Open Frame	Bracing X	Open Frame	Bracing X
1	0.000745456	0.000589717	5.37694E-20	6.78162E-20
2	0.001490912	0.001179433	1.07539E-19	1.35632E-19
3	0.002236368	0.00176915	1.61308E-19	2.03449E-19
4	0.002981824	0.002358867	2.15077E-19	2.71265E-19
5	0.00372728	0.002948583	2.68847E-19	3.39081E-19
6	0.004472736	0.0035383	3.22616E-19	4.06897E-19
7	0.005218192	0.004128016	3.76386E-19	4.74714E-19
8	0.005963648	0.004717733	4.30155E-19	5.4253E-19
9	0.006709104	0.00530745	4.83924E-19	6.10346E-19
10	0.00745456	0.005897166	5.37694E-19	6.78162E-19
11	0.008200016	0.006486883	5.91463E-19	7.45978E-19
12	0.008945472	0.0070766	6.45232E-19	8.13795E-19
13	0.009690928	0.007666316	6.99002E-19	8.81611E-19
14	0.010436385	0.008256033	7.52771E-19	9.49427E-19
15	0.011181841	0.00884575	8.0654E-19	1.01724E-18

Simp. Rotasi Maks. Struktur 15 Tk. akibat Gempa Manjil

Tingkat	Fleksibel		Jepit	
	Open Frame	Bracing X	Open Frame	Bracing X
1	0.000107236	0.000143942	1.20807E-20	1.28723E-20
2	0.000214473	0.000287884	2.41613E-20	2.57446E-20
3	0.000321709	0.000431826	3.6242E-20	3.86169E-20
4	0.000428945	0.000575768	4.83227E-20	5.14892E-20
5	0.000536182	0.00071971	6.04033E-20	6.43615E-20
6	0.000643418	0.000863652	7.2484E-20	7.72339E-20
7	0.000750655	0.001007594	8.45647E-20	9.01062E-20
8	0.000857891	0.001151535	9.66453E-20	1.02978E-19
9	0.000965127	0.001295477	1.08726E-19	1.15851E-19
10	0.001072364	0.001439419	1.20807E-19	1.28723E-19
11	0.0011796	0.001583361	1.32887E-19	1.41595E-19
12	0.001286836	0.001727303	1.44968E-19	1.54468E-19
13	0.001394073	0.001871245	1.57049E-19	1.6734E-19
14	0.001501309	0.002015187	1.69129E-19	1.80212E-19
15	0.001608545	0.002159129	1.8121E-19	1.93085E-19

Simp. Total Maks. Struktur 15 Tk. akibat Gempa EL Centro Rendah

Tingkat	Fleksibel		Jepit	
	Open Frame	Bracing X	Open Frame	Bracing X
0	0.000279415	0.0003765	3.69783E-21	4.41103E-21
1	0.002604381	0.002786541	0.002363189	0.002004646
2	0.004887646	0.005171165	0.004691016	0.003947156
3	0.007105767	0.00750821	0.006953915	0.005809366
4	0.009240779	0.009782778	0.0091207	0.007574618
5	0.011279174	0.011993623	0.01116029	0.009227159
6	0.01357181	0.014438558	0.013527522	0.011104701
7	0.015734715	0.016786209	0.015669124	0.012808321
8	0.017767234	0.019024403	0.017559658	0.014320709
9	0.019671571	0.021159667	0.019182695	0.015629163
10	0.021470336	0.023161983	0.020529674	0.016726264
11	0.023841104	0.025553955	0.022292382	0.018023689
12	0.025939715	0.027700498	0.02366399	0.019034598
13	0.027691617	0.029539358	0.024656035	0.019774234
14	0.029071845	0.031035869	0.025317145	0.020271555
15	0.030042513	0.032161225	0.025654419	0.020518475

Simp. Total Maks. Struktur 15 Tk. akibat Gempa EL Centro Menengah

Tingkat	Fleksibel		Jepit	
	Open Frame	Bracing X	Open Frame	Bracing X
0	0.000354733	0.00032257	2.97122E-21	3.58369E-21
1	0.003369153	0.002402999	0.001828616	0.001635028
2	0.006365387	0.004457151	0.003585471	0.00322411
3	0.009324759	0.006468454	0.005251969	0.004740161
4	0.012225613	0.008419765	0.006810516	0.00616098
5	0.015046701	0.010292848	0.008256627	0.007462889
6	0.018275193	0.012365012	0.009939633	0.00891384
7	0.021386196	0.014307967	0.011504599	0.010450442
8	0.024341893	0.016098089	0.012960234	0.011907113
9	0.027111966	0.017718845	0.014324411	0.013218586
10	0.029676793	0.019199612	0.015597446	0.014413635
11	0.03303371	0.020828285	0.017519969	0.015917638
12	0.035974654	0.022232893	0.019223076	0.017152075
13	0.038445771	0.023444781	0.020602804	0.018097011
14	0.040388724	0.024491366	0.021580573	0.018736498
15	0.041749654	0.025315291	0.022090762	0.019062529

Simp. Total Maks. Struktur 15 Tk. akibat Gempa Manjil

Tingkat	Fleksibel		Jepit	
	Open Frame	Bracing X	Open Frame	Bracing X
0	5.90378E-05	7.60679E-05	7.68263E-22	8.09561E-22
1	0.000434946	0.000516987	0.000425664	0.00035983
2	0.000796585	0.00097305	0.000833623	0.000706958
3	0.001131777	0.001414676	0.001219611	0.001009566
4	0.001428004	0.001833955	0.00157376	0.001317535
5	0.001709776	0.002239953	0.00190727	0.001606633
6	0.00209449	0.002710377	0.002316378	0.001915096
7	0.002531165	0.003225252	0.002753794	0.00218589
8	0.003015734	0.003726203	0.003187999	0.002408725
9	0.003500985	0.004196147	0.00355694	0.002579909
10	0.003948116	0.004607531	0.003848758	0.002742521
11	0.004556144	0.005071164	0.004188715	0.002996958
12	0.005092296	0.005442654	0.004428209	0.003211993
13	0.005565959	0.005739907	0.004754811	0.003390497
14	0.005975922	0.006021509	0.00505736	0.003519321
15	0.006259953	0.006247612	0.005216511	0.003586689

Rotasi Fondasi Maks. Struktur 15 Tk.

Gempa	Fleksibel		Jepit	
	Open Frame	Bracing X	Open Frame	Bracing X
EL Centro Rendah	0.000143366	0.000196001	1.76336E-20	2.01838E-20
El Centro Menengah	0.000198788	0.000157258	1.43385E-20	1.80843E-20
Manjil	2.85964E-05	3.83845E-05	3.22151E-21	3.43262E-21

**Drift Ratio Simp. Relatif Maks. Struktur 15 Tk. akibat Gempa EL Centro
Rendah**

Tingkat	Fleksibel		Jepit	
	Open Frame	Bracing X	Open Frame	Bracing X
1	0.04812918	0.045688539	0.063018363	0.053457234
2	0.047017166	0.044778396	0.062075393	0.051800257
3	0.045308105	0.04346664	0.060343969	0.049658931
4	0.043104031	0.041708145	0.05778095	0.047073387
5	0.040487292	0.03979152	0.054389067	0.044067757
6	0.047267059	0.046748382	0.063130225	0.05006778
7	0.044912299	0.044636195	0.057205761	0.045429873
8	0.042522026	0.042343606	0.050574093	0.04116278
9	0.039440547	0.03947537	0.043664788	0.037497476
10	0.035691179	0.036011251	0.0376502	0.033386277
11	0.051042693	0.046612372	0.052924158	0.042300088
12	0.042933036	0.039303091	0.044467875	0.035092874
13	0.033521795	0.030742592	0.034720307	0.027090551
14	0.023081545	0.021157733	0.023849093	0.018441987
15	0.01180441	0.010814789	0.012150212	0.00933847

**Drift Ratio Simp. Relatif Maks. Struktur 15 Tk. akibat Gempa EL Centro
Menengah**

Tingkat	Fleksibel		Jepit	
	Open Frame	Bracing X	Open Frame	Bracing X
1	0.060680749	0.040321343	0.048763087	0.043600758
2	0.060180555	0.039588869	0.046938715	0.042375497
3	0.059069675	0.038446226	0.044635736	0.040428043
4	0.057509165	0.03684644	0.042192033	0.039050915
5	0.055592288	0.034789185	0.039777754	0.038157883
6	0.067151986	0.039895368	0.047432559	0.04566633
7	0.064005576	0.03656519	0.045640517	0.04367047
8	0.060071957	0.033185099	0.04379214	0.040899259
9	0.055225567	0.029585763	0.041115316	0.037567204
10	0.049506507	0.02759305	0.037756921	0.033468758
11	0.070023075	0.036295117	0.055172391	0.042305299
12	0.058627025	0.032166698	0.047333908	0.034902813
13	0.046098324	0.026557757	0.0376008	0.026726031
14	0.032013941	0.019291046	0.026203656	0.018053637
15	0.016493337	0.010248544	0.013706457	0.009092671

Drift Ratio Simp. Relatif Maks. Struktur 15 Tk. akibat Gempa Manjil

Tingkat	Fleksibel		Jepit	
	Open Frame	Bracing X	Open Frame	Bracing X
1	0.009265508	0.008832546	0.011351036	0.009595458
2	0.008176439	0.008363923	0.011011937	0.009256746
3	0.007129239	0.008322599	0.010784967	0.008829509
4	0.007268015	0.008560752	0.010465062	0.008438227
5	0.007380795	0.008740657	0.010630453	0.007895476
6	0.009883285	0.010661922	0.01362445	0.009037128
7	0.010413482	0.010194157	0.013138808	0.008259673
8	0.01021071	0.009661982	0.011997537	0.007443188
9	0.010417158	0.008957598	0.010719927	0.006880046
10	0.010043414	0.007864033	0.009802006	0.006261295
11	0.015021913	0.009593972	0.013951528	0.00912053
12	0.01224953	0.007731836	0.01355471	0.008768444
13	0.010649244	0.007331559	0.011582321	0.007589752
14	0.008374032	0.005836172	0.008893822	0.005963222
15	0.004714542	0.003373351	0.004885847	0.003276609

Drift Ratio Simp. Total Maks. Struktur 15 Tk. akibat Gempa EL Centro Rendah

Tingkat	Fleksibel		Jepit	
	Open Frame	Bracing X	Open Frame	Bracing X
1	0.069450148	0.074708205	0.063018363	0.054148179
2	0.060887067	0.063945906	0.062075393	0.052485303
3	0.059149912	0.062821574	0.060343969	0.050334146
4	0.056933649	0.061277624	0.05778095	0.047731991
5	0.054419701	0.059592422	0.054389067	0.044701084
6	0.061392402	0.066667711	0.063130225	0.050808517
7	0.059135591	0.064453802	0.057205761	0.046129007
8	0.056695181	0.061939547	0.050574093	0.041424179
9	0.053641655	0.058939486	0.043664788	0.037674878
10	0.049962997	0.055255598	0.0376502	0.033477219
11	0.065331043	0.065784027	0.052924158	0.042353914
12	0.057221386	0.058475464	0.044467875	0.035099846
13	0.047791685	0.049939726	0.034720307	0.027076705
14	0.037289383	0.040394413	0.023849093	0.01842538
15	0.026021313	0.030204042	0.012150212	0.009328531

**Drift Ratio Simp. Total Maks. Struktur 15 Tk. akibat Gempa EL Centro
Menengah**

Tingkat	Fleksibel		Jepit	
	Open Frame	Bracing X	Open Frame	Bracing X
1	0.089844083	0.064079984	0.048763087	0.043600758
2	0.079917659	0.054777388	0.046938715	0.042375497
3	0.078916605	0.053634746	0.044635736	0.040428043
4	0.077356095	0.052137841	0.042192033	0.039050915
5	0.075471116	0.050230879	0.039777754	0.038157883
6	0.086950124	0.055337062	0.047432559	0.045666633
7	0.083629506	0.05218285	0.045640517	0.04367047
8	0.07967642	0.048898589	0.04379214	0.040899259
9	0.074830031	0.04531154	0.041115316	0.037567204
10	0.069110971	0.041989329	0.037756921	0.033468758
11	0.089627539	0.051171806	0.055172391	0.042305299
12	0.078425163	0.047043387	0.047333908	0.034902813
13	0.065896462	0.041280113	0.0376008	0.026726031
14	0.051854267	0.033849157	0.026203656	0.018053637
15	0.036361299	0.024877913	0.013706457	0.009092671

Drift Ratio Simp. Total Maks. Struktur 15 Tk. akibat Gempa Manjil

Tingkat	Fleksibel		Jepit	
	Open Frame	Bracing X	Open Frame	Bracing X
1	0.011598561	0.01378632	0.011351036	0.009595458
2	0.009726734	0.012161686	0.011011937	0.009256746
3	0.009261603	0.012022769	0.010784967	0.008829509
4	0.00966533	0.012231964	0.010465062	0.008438227
5	0.009940782	0.012479506	0.010630453	0.007895476
6	0.012044159	0.014462495	0.01362445	0.009037128
7	0.012533987	0.014032609	0.013138808	0.008259673
8	0.013070346	0.013499457	0.011997537	0.007443188
9	0.013231207	0.012755361	0.010719927	0.006880046
10	0.012754595	0.011564204	0.009802006	0.006261295
11	0.017590993	0.013125103	0.013951528	0.00912053
12	0.014748654	0.011403048	0.01355471	0.008768444
13	0.013482378	0.01037338	0.011582321	0.007589752
14	0.011207166	0.008697015	0.008893822	0.005963222
15	0.007574179	0.006444607	0.004885847	0.003276609

Gaya Horizontal Maks. Struktur 15 Tk. akibat Gempa EL Centro Rendah

Tingkat	Fleksibel		Jepit	
	Open Frame	Bracing X	Open Frame	Bracing X
1	1887.167717	1767.266735	1792.560355	1820.505693
2	1925.818622	2208.282269	1828.550522	2338.98553
3	2000.955828	2660.228864	2138.868417	2837.991375
4	2126.410698	3077.474587	2719.14173	3302.559597
5	2356.687648	3447.417471	3272.743076	3731.632618
6	2616.641495	3687.724555	3775.415018	4114.010194
7	2896.979715	3945.110324	4201.104037	4530.684559
8	3109.737266	4117.854287	4475.982804	4843.072176
9	3228.783066	4185.275677	4624.239248	5019.562672
10	3268.842537	4152.295077	4672.386781	5048.238859
11	3292.462166	4418.962336	4273.020756	4619.149092
12	3634.907072	5175.409343	3923.139661	4845.907122
13	4048.367017	5794.706007	4190.573029	5228.651322
14	4347.045156	6253.019678	4511.441685	5503.701096
15	4550.296243	6538.283018	4683.593996	5645.746672

Gaya Horizontal Maks. Struktur 15 Tk. akibat Gempa EL Centro Menengah

Tingkat	Fleksibel		Jepit	
	Open Frame	Bracing X	Open Frame	Bracing X
1	1913.321929	1849.324658	1978.895392	2030.524644
2	2185.354366	1812.266912	2401.083179	2434.711215
3	2229.677895	2310.635122	2589.019579	3209.994201
4	2270.521173	2910.729584	2615.172336	4039.772713
5	2681.178992	3305.153884	2773.55171	4580.20959
6	2929.468547	3563.175714	2972.906301	4770.012897
7	3111.717805	3986.068591	3395.334546	4732.206362
8	3361.06708	4187.587486	3615.829933	4587.460957
9	3695.603042	4303.354069	3633.100449	4551.035928
10	4131.780398	4473.175116	3559.090769	4522.199847
11	4591.247111	4155.450378	3549.995228	4533.45678
12	5083.462084	4073.188475	4012.444513	4943.42662
13	5451.213583	4577.747234	4464.90501	5243.05787
14	5982.79316	5466.813214	4911.855523	5417.519048
15	6357.756757	6195.948872	5283.486378	5497.144394

Gaya Horizontal Maks. Struktur 15 Tk. akibat Gempa Manjil

Tingkat	Fleksibel		Jepit	
	Open Frame	Bracing X	Open Frame	Bracing X
1	1815.178567	1762.434569	1824.085722	1646.218146
2	1785.970723	1554.131279	1863.416096	1528.613747
3	1759.681464	1525.901669	1851.217996	1533.570626
4	1662.336743	1573.722997	1741.459413	1482.525934
5	1484.110199	1634.711637	1606.385335	1514.566168
6	1394.187913	1665.32083	1400.959131	1521.361797
7	1431.234625	1716.158349	1343.673434	1626.839968
8	1514.119298	1647.243106	1416.636517	1695.431709
9	1591.934149	1617.613537	1501.206978	1708.990745
10	1498.939635	1583.543692	1520.137829	1547.08504
11	1162.702286	1700.934853	1275.431595	1329.321408
12	1432.019772	1741.306196	1314.981952	1250.298601
13	1448.23931	1476.510027	1486.343877	1219.827518
14	1455.232574	1586.507139	1574.204716	1624.241844
15	1817.334677	2039.422553	1883.36811	1980.935455

Gaya Geser Maks. Struktur 15 Tk. akibat Gempa EL Centro Rendah

Tingkat	Fleksibel		Jepit	
	Open Frame	Bracing X	Open Frame	Bracing X
1	37942.07725	49905.9195	49679.79048	58391.72065
2	37065.43354	48911.76361	48936.41139	56581.79261
3	35718.11545	47478.92257	47571.46366	54242.80708
4	33980.55983	45558.10579	45550.93747	51418.59809
5	31917.68392	43464.5627	42876.9861	48135.52756
6	29659.25374	41467.70128	39613.11305	44412.14077
7	28181.68254	39594.10534	35895.61548	40298.13058
8	26681.828	37560.48652	31734.35956	36513.04691
9	24748.25438	35016.24546	27398.89127	33261.77422
10	22395.59132	31943.43279	23624.84264	29614.97504
11	19675.64387	28180.38038	20400.90035	25573.30841
12	16549.58008	23761.41805	17141.22112	21216.05283
13	12921.78894	18586.0087	13383.78448	16378.09909
14	8897.341399	12791.3027	9193.211446	11149.44777
15	4550.296243	6538.283018	4683.593996	5645.746672

Gaya Geser Maks. Struktur 15 Tk. akibat Gempa EL Centro Menengah

Tingkat	Fleksibel		Jepit	
	Open Frame	Bracing X	Open Frame	Bracing X
1	47836.96028	44043.29238	38441.81026	47625.42134
2	47442.63811	43243.20535	37003.58822	46287.05959
3	46566.88845	41995.08874	35188.06112	44159.84131
4	45336.67838	40247.63119	33261.59637	42655.59445
5	43825.5314	38000.47605	31358.32785	41680.12932
6	42136.69793	35388.80058	29763.10194	40507.87718
7	40162.38081	32434.79868	28638.62701	38737.46851
8	37694.10313	29436.52129	27478.80255	36279.29315
9	34653.07856	26243.76541	25799.14257	33323.62534
10	31064.46827	24476.14894	23691.80803	29688.13892
11	26992.09266	21942.89128	21267.53641	25576.45896
12	22599.20866	19446.97845	18246.00281	21101.14793
13	17769.7171	16055.98824	14494.1405	16157.72131
14	12340.54992	11662.76209	10100.83481	10914.66344
15	6357.756757	6195.948872	5283.486378	5497.144394

Gaya Geser Maks. Struktur 15 Tk. akibat Gempa Manjil

Tingkat	Fleksibel		Jepit	
	Open Frame	Bracing X	Open Frame	Bracing X
1	7304.35517	9647.853073	8948.456444	10481.18736
2	6445.800457	9135.973554	8681.132131	10111.21043
3	5620.252335	9090.834537	8502.203012	9644.536023
4	5729.654391	9350.970726	8250.009649	9217.136238
5	5818.563516	9547.482676	8380.393696	8624.284817
6	6201.588495	9457.554854	8549.104505	8016.296887
7	6534.277774	9042.6287	8244.37263	7326.663359
8	6407.041906	8570.56818	7528.245104	6602.407629
9	6536.584857	7945.751165	6726.566933	6102.878613
10	6302.0669	6975.714776	6150.587684	5554.021698
11	5790.56088	5800.214865	5377.954922	5513.986816
12	4721.878517	4674.425818	5224.991568	5301.126706
13	4105.009259	4432.431032	4464.686488	4588.526349
14	3227.97358	3528.367026	3428.339561	3605.177299
15	1817.334677	2039.422553	1883.36811	1980.935455

Momen Guling Maks. Struktur 15 Tk. akibat Gempa EL Centro Rendah

Tingkat	Fleksibel		Jepit	
	Open Frame	Bracing X	Open Frame	Bracing X
0	1348957.406	1850355.584	1662478.268	1901037.624
1	1212873.327	1678177.714	1476971.137	1682068.671
2	1083138.163	1510678.991	1294385.358	1481977.904
3	959147.0751	1346061.938	1119349.836	1309381.024
4	840893.4997	1184402.392	952345.5963	1140353.525
5	726888.7738	1027340.558	798340.1549	976674.5417
6	617086.6052	875402.7871	659928.993	820151.1763
7	511405.2957	728368.732	537074.6027	672571.691
8	411348.4407	588064.0166	427840.5289	535647.7651
9	318542.4868	456753.0961	329761.0585	410916.1118
10	234559.0194	336965.2232	242901.1894	299859.9554
11	160866.4919	231288.7967	166506.7914	203960.0489
12	98885.3497	142183.4791	102227.2122	124399.8507
13	50428.64116	72485.94642	52038.02041	62981.97915
14	17063.61091	24518.56132	17563.47748	21171.55002
15	0	0	0	0

Momen Guling Maks. Struktur 15 Tk. akibat Gempa EL Centro Menengah

Tingkat	Fleksibel		Jepit	
	Open Frame	Bracing X	Open Frame	Bracing X
0	1871594.061	1475644.788	1352293.58	1703152.863
1	1695713.612	1319679.317	1224874.317	1557093.21
2	1520989.813	1169925.225	1102074.077	1408356.802
3	1348624.884	1028849.512	981840.8357	1260199.069
4	1180613.216	898001.4082	866802.0156	1108662.344
5	1017365.747	775769.3284	754225.3106	957463.0376
6	859577.1182	663178.8022	644187.4288	810666.0765
7	708968.1901	560222.3041	537436.2395	667407.6366
8	567615.3034	462773.0738	437496.3299	531582.2723
9	437925.1372	369418.5765	344359.0437	408116.92
10	322283.8664	281346.5938	258461.9378	297176.7601
11	221502.1216	199820.489	179626.3634	201265.039
12	136755.0891	127180.122	111511.181	122135.7343
13	70118.65003	66970.1661	57377.16662	61544.27938
14	23841.58784	23234.80827	19813.07392	20614.29148
15	0	0	0	0

Momen Guling Maks. Struktur 15 Tk. akibat Gempa Manjil

Tingkat	Fleksibel		Jepit	
	Open Frame	Bracing X	Open Frame	Bracing X
0	265888.532	360035.7122	305148.1157	321450.282
1	253490.995	326546.4095	281990.8109	294709.5102
2	237943.46	297902.121	260227.2624	266461.2844
3	219286.3204	269191.0799	239107.2026	236438.3188
4	198727.9874	238350.3772	217525.4375	205345.6751
5	179579.7346	206179.4069	194734.601	175778.6787
6	160519.0824	173122.6664	170915.8441	148208.4767
7	139336.6136	140281.1015	145306.1293	131689.8726
8	115699.1967	108141.4708	119109.5887	114959.5891
9	91187.00352	85010.87472	94571.76185	96702.76653
10	68446.95307	67920.81375	73655.52751	77001.4407
11	50619.74844	53769.34409	54662.76342	56417.14443
12	34146.46442	37134.96729	36276.66081	37967.81247
13	18859.75706	20871.89855	19918.90377	20947.92283
14	6815.00504	7647.834573	7062.630412	7428.507957
15	0	0	0	0